



Professional Construction Products

www.ubexi.com



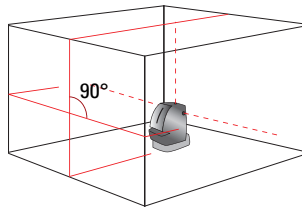
UBEX *i* is a Hong Kong company with its Support operations, Service, Warehousing, Logistics located in Lyon, France. Our company has a reputation as a supplier of professional measuring technology in both laser and surveying equipment. Our mission is to provide innovative precise reliable products supported by premium service both in professional advise and from our service facilities located in Lyon.

UBEX *i* is a company that focuses on its customers and people, our guarantee to you is innovation and reliability. Innovation, through constantly challenging current technology with new development, Reliability is from its Products, People and Operation.

UBEX*i* XB 590 & XB 590K 5 Laser Dots Plus Cross Line

FEATURES

- Pendulum self leveling
- 5 dots plus 1H & 1V both cross on the ceiling
- Fans to 150°
- Laser dot or lines can be independent
- Laser blinks when out of level
- Robust 1 m drop on concrete
- High visibility 635 nm



SPECIFICATIONS

H accuracy	$\pm 3 \text{ mm} / 10 \text{ m}$	
V accuracy	$\pm 3 \text{ mm} / 10 \text{ m}$	
Up beam accuracy	$\pm 4 \text{ mm} / 10 \text{ m}$	
Down beam accuracy	$\pm 6 \text{ mm} / 10 \text{ m}$	
Dot accuracy	$\pm 4 \text{ mm} / 10 \text{ m}$	
Working range	Dot	30 m
	Line	10 / 25 m with detector
Laser class	2	

XB 590 - Ref.12201301

Universal support + Bag + Laser glasses + Target

XB 590K - Ref.12201321

Basic package + Laser receiver + Tripod + Case

UBEX*i* XB 525 5 Laser Dots

FEATURES

- Highly visible, stable, compact
- 5 Laser dots at 90°
- Laser blinks when out of leveling range
- Robust unit

SPECIFICATIONS

Ref.12001350

H accuracy	$\pm 4 \text{ mm} / 10 \text{ m}$
V accuracy	$\pm 4 \text{ mm} / 10 \text{ m}$
Up beam accuracy	$\pm 4 \text{ mm} / 10 \text{ m}$
Down beam accuracy	$\pm 6 \text{ mm} / 10 \text{ m}$
Working range	30 m
Laser class	2

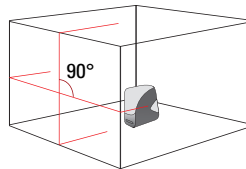




UBEXi XC 500 & XC 500D & XC 500DT Pocket Cross Line Laser

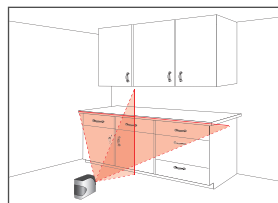
FEATURES

- Pendulum self leveling
- Horizontal & Vertical lines
- Automatic shut off when out of level
- Pendulum locks when in transportation
- **XC 500** works with LVH100 detector
- **XC 500D**: No keypad with it, only locking knob is also the switch on/off
- **XC 500DT**: XC 500D bundle with mini tripod and color box



SPECIFICATIONS

High visibility	XC 500	
Normal visibility	XC 500D	
Accuracy	XC 500	$\pm 3 \text{ mm} / 10 \text{ m}$
	XC 500D	$\pm 5 \text{ mm} / 10 \text{ m}$
Self leveling range	4°	
Power	3 x AA	
Laser class	XC 500	2M
	XC 500D	2
Laser diode	635 nm	



XC 500 - Ref.12201303

XC 500D - Ref.12201304

XC 500DT - Ref. 12201305

Bundle: Target & support & mini tripod & pouch & big color box

UBEXi Accessories

UBEXi XA1 / XA5 Wallmount

XA1 Ref.14001301 / XA5 Ref.14001302

- Can be mounted on the wall
- 5/8"X11 screw can be used to adjust elevation and position for various ceiling construction

UBEXi LS6 Laser Detector Ref.14001303

Horizontal accuracy	1 fine / 3 coarse (mm)
Display	LCD and buzzer
Angle accuracy (90°)	1° / 2 mm sensitivity
Power	9 V
Operating time	20 hours
Auto shut off after	10 minutes

UBEXi LS6-Q Detector Clamp

Ref.14001304



UBEXi XA 4 Red Laser Glasses

Ref.14001305

Improves visibility and generally used when the lighting is bright or over long range

UBEXi XA 3 Ceiling Target Red

Ref.14001307

Reflection target also equipped with legs for standing on the ground



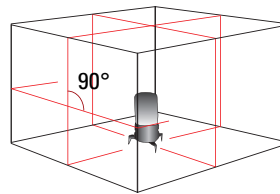
UBEXi XA3G Ceiling Target Green

Ref.14001306

UBEXⁱ XM 550 & XM 550K & XM 560 Multi Purpose Line Laser

FEATURES

- Inside and outside application
- Pendulum with magnetic damping system for quick self leveling
- Bright laser lines 1 Horizontal & 4 Vertical lines which cross on the ceiling at 90°
- Can be used outside with detector
- **XM 560:** Using dual axis electronic sensor
Manual mode for slope function
High visibility beam



XM 550 - Ref.12101302

Target + Laser glasses + Case + User manual

XM 550K - Ref.12101304

Laser receiver + Rechargeable batteries +
Target + Laser glasses + Case + User manual

XM 560 - Ref.12101305

Electronically leveling

SPECIFICATIONS

Accuracy	XM 550 & XM 550K	± 2 mm / 10 m
	XM 560	± 1 mm / 10 m
Self Leveling range		3°
Leveling time	XM 560	20 seconds
Working range	10 m / 50 m max. with detector	
Width of laser beam	4 mm at 10 m	
Power	XM 550 & XM 550K	4 x AA
	XM 560	4 x NiMH
Laser class	2	

UBEXⁱ XM 575 Automatic Multi Line Laser

FEATURES

- Inside and outside application
- 2 Axis electronic sensors
- Automatic self leveling
- Manual Slope
- Can work outside with detector
- 4 Horizontal & 4 Vertical lines plus one plumbing dot



SPECIFICATIONS

Ref.12101303

Accuracy	± 1 mm / 10 m
Self Leveling	3°
Working range	10 m / 25 m with detector
Width of laser beam	4 mm / 10 m
Power	4 x NiMH
Laser class	2M



XR 600 & XR 660 Horizontal Rotating Laser XR 650 & XR 650 Green Horizontal & Vertical Rotating Laser

FEATURES

- Compact size, convenient operation
- High strength material plus TPE for better shock proof
- Operating distance 200 m
- Slope function in manual mode



SPECIFICATIONS

Accuracy	± 3 mm / 10 mm	
Working range	XR 600 & XR 650	200 m
	XR 650G	300 m
	XR 660	350 m
Self leveling range	XR 600 & XR 650	4°
	XR 650G	5°
	XR 660	5,7°
Laser class	XR 600 & XR 650	2
	XR 650G	3
	XR 660	3R
Power	XR 600 & XR 650	NiMH
	XR 650G	NiMH or 4 x C
	XR 660	3R NiMH or 4 x D
IP protection	IP54	

XR 600 Horizontal rotating laser - Ref. 12301302

XR 660 Horizontal rotating laser - Ref. 12301305

XR 650 Horizontal & vertical rotating laser - Ref. 12301303

XR 650G Horizontal & vertical rotating laser **green** - Ref. 12301304

XR 670 & XR 670 Green Horizontal & Vertical Rotating Laser

FEATURES

- Precise 3 axis electronic sensor
- Extremely quick automatic self leveling
- Slope function in manual mode
- Scan function
- With 90° vertical function
- Remote control
- Horizontal & Vertical working with plumb dot
- **XR 670G**, highly visible green beam
- **XR 670G**, working temperature range -15° to +50°C ; wide range

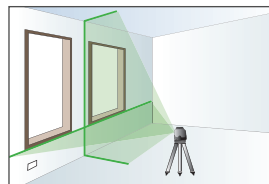


XR 670

Ref. 12401301

XR 670 G

Ref. 12401302



SPECIFICATIONS

Accuracy horizontal	± 1.5 mm / 30 mm		
Accuracy vertical	± 3 mm / 30 mm		
Self leveling range	5.7°		
Working range	XR 670	200 m	XR 670G 300 m
Scanning	Yes		
Power	NiMH or 4 x D		
Laser class	XR 670	2M	XR 670G 3R
IP protection	XR 670	IP54	XR 670G IP66

UBEX*i* XMC 360 Machine mount receiver

FEATURES

- 360° machine control receiver
- With magnets or brackets

SPECIFICATIONS

High accuracy	± 3 mm / 12 mm
Low accuracy	± 5 mm / 25 mm
Rechargeable battery	7,2 V NiMH
Charger Power	2500 mAh
Working time	40 h
Charging time	15 h
Operating temperature	-20° C to +50° C
Weight	3.1 kg



XMC 360M - Ref.13101360

With magnets

XMC 360B - Ref.13101361

With brackets

UBEX*i* XG 600 Automatic Grade Laser

FEATURES

- Dual Slope
- Ideal for Machine Control
- Horizontal operation
- Slope function: x -2% to +2%
y -10% to +10%

SPECIFICATIONS

Ref.12601303

Horizontal accuracy	± 1.5 mm / 30 mm
Working range	300 m
Laser class	3R
Power	NiMH or 4 x D
IP protection	IP66



UBEX*i*

UBEX*i* iDig



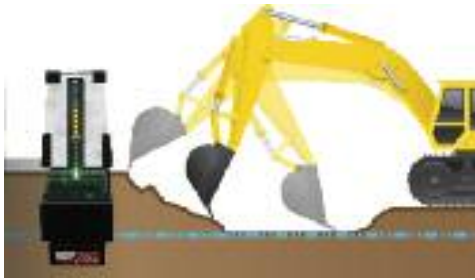
INNOVATIONS

- Easy use
- Very simple to set up
- Attachment by magnets, welding, drilling, or gluing (special tape)
- No cables, radio communication
- Recharges with solar panels - no external charging needed
- Use on multiple machines
- Automatic calibration procedure
- Compact and portable system

FEATURES

- Position of the bucket tip in real time
- No need of extra grade checkers
- No need to get out of the machine to check grade
- Avoid expensive over-digging
- Allow to dig a slope
- Indicates the reach distance

Technology that keeps you productive



Use the boom, the stick, and the bucket in any position. You'll still get an accurate reading of how deep to dig.

APPLICATIONS



- Footings and foundation depths
- Basements
- Sewer lines
- Drainage, ditches and trenching
- Cable lines...
- ... and more!

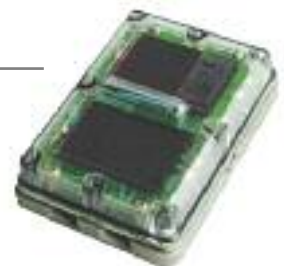
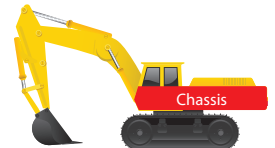
SPECIFICATIONS

Ref. 13001301

Accuracy		± 1 cm (3/8")
Choice of depth deadband	Fine	1 cm (1/2")
	Medium	3 cm (1")
	Coarse	5 cm (2")
Reach deadband		3 cm (1")
Units	Choice of metric or feet	
Languages	10, new language adding possible	
Sensors	IP68	
Control unit and display	IP64	
Control unit power	9-27V	
Operating temperatures	-20° to +70° C (-4° to 158° F)	
Sensor size	70 x 100 x 20 mm (3" x 4" x 1")	
Sensor weight	282 g (10 oz.)	

OPTIONS

- Sensor for 2nd boom
- Sensor for chassis (pitch)
- iDig laser receiver
- Kit for extra machine:
 - 3 mounting plates for sensors,
 - 2 suction cup mounts and
 - cradles for cab items



STANDARD PACKAGE

EVERYTHING FITS IN ONE CASE

- 3 sensors
- 3 mounting plates for sensors
- LED display
- Control unit with LCD
- 2 quick-connect cradles for the LED & LCD units, with 12/24V accessory plug
- 2 suction cup mounts
- Laser pointer and mini-tripod for 1st setup





UBEX i XL 800 Level

FEATURES

- Excellent shockproof function
- Sealed structure can be used in all weather conditions
- Rubber protection
- Special design for construction
- Air dampening compensator

SPECIFICATIONS

Ref.11001301

Magnification	24 x
Minimum focusing distance	1 m
Standard deviation for 1 km double-run leveling	3 mm
Net weight	1.4 kg



UBEX i XL 850 Level

FEATURES

- This instrument is mainly suitable for high precision survey of engineering including construction project, mines, road, etc
- It possesses convenient operation, clear image, water proof facility, type X air damping and compensation mechanism
- It is speedy and reliable as well

SPECIFICATIONS

Ref.11101302

Magnification	32 x
Minimum focusing distance	0.6 m
Standard deviation for 1 km double run leveling	1.5 mm / 0.7 mm with micrometer
Net weight	2.2 kg



UBEX i JTD5 Theodolite & JDT5L Theodolite with laser

FEATURES

- New designed PCB board with low power construction
- Double screen
- High quality steel axis to ensure long time working
- Theodolite without laser (JTD5), theodolite with laser (JDT5L)

SPECIFICATIONS

Accuracy	5"
Magnification	30 x
Image	Right
Stadia radio	100
Objective lens	45 mm
Weight	4.8 kg
Battery	4 x AA
Operating hours	12 h
Data output	RS-232C

JTD5 - Ref.11301301 • JDT5L - Ref.11301302



UBEXⁱ Accessories Tripods and Rod

• **31419017** Lightweight Tripod Elevating tripod

- Indoor use with 3D three-way heads

Height	
Mini	58 cm
Maxi	150 cm



• **31219071** Tripod Elevating tripod

- Removable nozzle: rubber or metal spike, indoor or outdoor use

Height	
Mini	115 cm
Maxi	270 cm



• **31119045** Tripod Aluminum flat standard

- Extendable, quick fitting, flat and triangular plate (with shoulder strap)

Height	
Mini	100 cm
Maxi	165 cm



• **31119019** Tripod Aluminum domed standard

- Extendable, quick fitting (with shoulder strap)

Height	
Mini	102 cm
Maxi	165 cm



• Combine Tripod and Rod

- Tripod and Rod together**, no more risk to lose your rod because it is on the tripod! The kombo exist in two versions: domed tripod or flat tripod and can work with various types of laser instruments. Screw threads 5/8" in a canvas bag



Composition

• **31319012** DOMED KOMBO

Tripod aluminum domed (1-1.65 m) + 8846 Rod

• **31319032** FLAT KOMBO

Tripod aluminum flat + 8846 telescopic aluminum rod 4 mm

LASER INSTRUMENTS' APPLICATION SKETCH

		Cross line & Spot laser instrument					Rotation laser instrument			
		XB 590	XB 525	XC 500	XM 550	XM 575	XR 600 XR 650	XR 670	XR 670G	XG 600
APPLICATION CLASSIFICATION										
Civil work	Foundation pit elevation marking									
	Construction axis and foundation setting out									
	Slope benchmarking									
	Road leveling									
	Concrete pour elevation confirmation									
Steel structure installation	Formwork horizontal and vertical marking									
	Steel structure positioning									
Door/window installation	Steel structure vertical marking and plumb setup									
	Door/window vertical and horizontal marking									
Light partition wall installation	Door/window vertical and horizontal calibration									
	Light partition wall horizontal marking/keel installation									
Ceiling and floor slab	Light partition wall horizontal and vertical positioning									
	Ceiling horizontal positioning									
Wiring and electrical equipment layout	Elevated floor setting out									
	Ceiling installation									
Interior decoration	Leveling location for cable bridge work									
	Leveling location for Power socket, switch and so on									
	Lighting fixtures positioning									
	Lighting fixtures setting out									
	Laying floor tile, wall tiles and wall paper									
	Cabinet, cupboard and decoration painting installation									



Your dealer

HONG KONG OFFICE

23/F, Unit 2303, Alliance Building, 133 Connaught road Central, Hong Kong
Tel. +852 - 2545 7719 • sales@ubexi.com • www.ubexi.com